

09879316.061201

a transmitting device for generating control signals to unlock at a remote place a door-locking device provided for a door, said door having a locking device;

a mobile radio communication terminal connected to said transmitting device through a wire for converting said control signals generated through said transmitting device into wireless signals for delivery; and

a receiving device installed within a door locking device of said door, for receiving and analyzing said wireless signals delivered by said mobile radio communication terminal and for automatically controlling a motor and unlocking the door if the analyzed signals are door-unlocking signals.

2. The apparatus as claimed in claim 1, wherein said transmitting device comprises:

a power switch PSW1 for power supply;

a constant voltage regulator 110 for maintaining a desired level of constant voltage of the power (12 V) when the power is turned on by the switch PSW1;

a receiver 120 for detecting DTMF signals in response to the user's manipulation of buttons; and

a control signal generator 130 for generating control signal data in response to the DTMF signals detected by said receiver 120.

3. The apparatus as claimed in claim 1, wherein said receiving device comprises:

a door lock control means 410 for receiving wireless signals delivered by said mobile radio communication terminal to process said wireless signals so as to generate relay control signals through a port RAO according to the data obtained from said processing of wireless signals;

a switching element Q1 for carrying out switching operations according to the relay control signals outputted from said door lock control means 410; and

a relay RL1 for automatically unlocking the door lock by the power which is supplied when said switching element Q1 is turned on.  
on.